

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X
REGISTERED CIVIL ENGINEER			X DATE		
PLANS APPROVAL DATE			X No. X Exp. X CIVIL STATE OF CALIFORNIA		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

GENERAL NOTES
LOADS & RESISTANCE FACTOR DESIGN

DESIGN: AASHTO LFRD Bridge Design Specifications, 4th Edition with California Amendments

LIVE LOAD: Surcharge = 240 lb/ft²

SOIL PARAMETERS:
Internal design $\phi = 34^\circ$, $\gamma = 120$ lb/ft³
External design ϕ (Retained Backfill) = 30° , $\gamma = 120$ lb/ft³
 ϕ (Foundation) = 30°
 $k_h = 0.2$

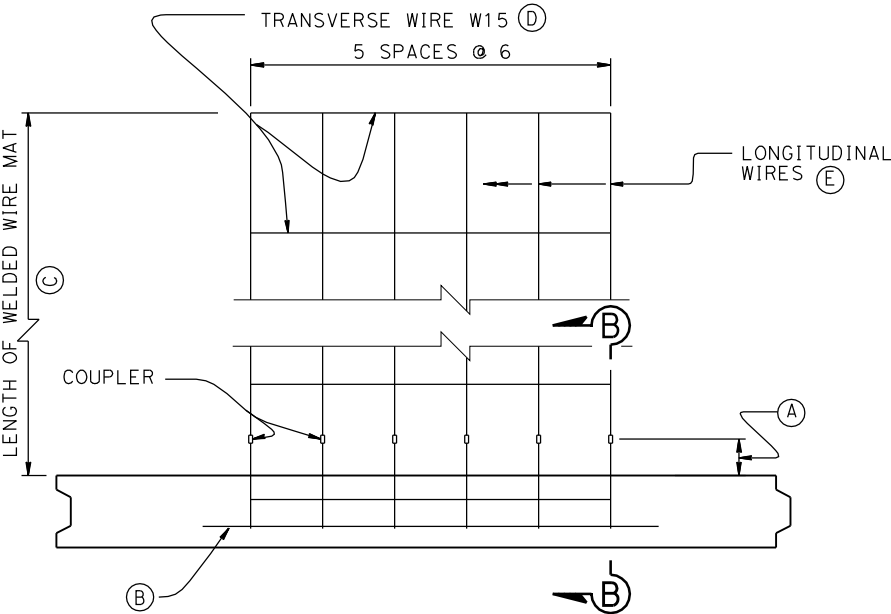
PRECAST CONCRETE PANELS:
 $f'_c = 4,000$ psi (Concrete compressive strength at 28 days)
 $f_y = 60,000$ psi (Yield strength of reinforcement)

SOIL REINFORCEMENT:
Welded wire mats: $f_y = 65,000$ psi (Yield strength)
Coupler: $f_y = 36,000$ psi (Yield strength)
Corrosion rate = 1.1 mils/year

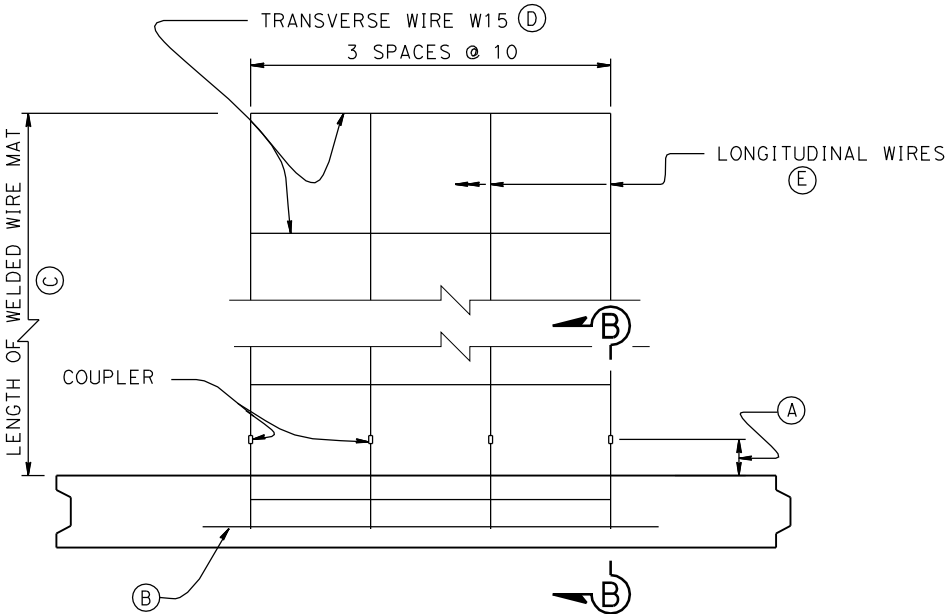
REINFORCED CONCRETE:
 $f'_c = 3,600$ psi, except as noted
(Concrete compressive strength at 28 days)
 $f_y = 60,000$ psi (Yield strength of reinforcement)

MSE = Mechanically Stabilized Embankment

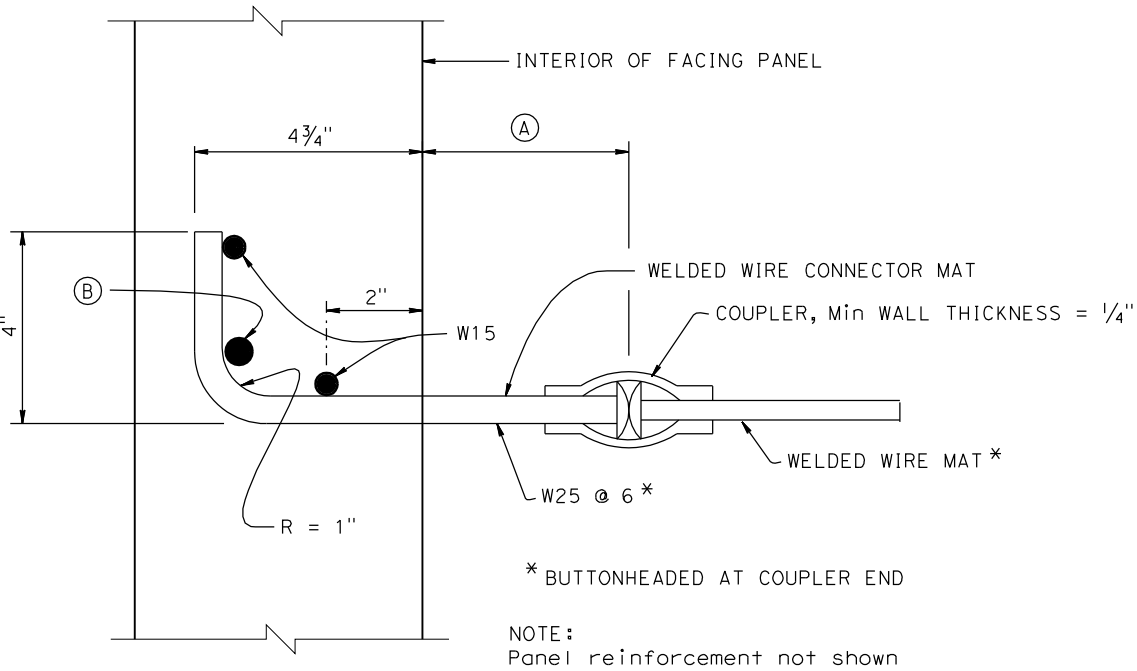
- NOTES:
- (A) Distance as required to permit coupler to be swaged
 - (B) Place #4 x 3'-2", centered on connector mat, but not welded to it
 - (C) Length equals "BASE WIDTH" of wall
 - (D) All transverse wires size W15 at various spacing as shown elsewhere in plans
 - (E) Size of longitudinal wires shown elsewhere in plans



PLAN OF PANEL WITH SIX WIRE MAT
1 1/2" = 1'-0"



PLAN OF PANEL WITH FOUR WIRE MAT
1 1/2" = 1'-0"



SECTION B-B
6" = 1'-0"

STANDARD DRAWING	
FILE NO. xs13-020-2	APPROVAL DATE <u>July 2011</u>

DS OSD 2147A (ENGLISH STANDARD DRAWING "XS" BORDER REV. (02-02-11))

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF
ENGINEERING SERVICES

BRIDGE NO.
X
POST MILE
X

X	
MECHANICALLY STABILIZED EMBANKMENT	
DETAILS NO. 2	

UNIT: X
PROJECT NUMBER & PHASE: X

CONTRACT NO.: X

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES		SHEET	OF
		X	X

FILE => \$REQUEST

TIME PLOTTED => \$TIME
DATE PLOTTED => \$DATE
USERNAME => \$USER